

1907 no. 1

New Mexico
Arizona
California

Vernon Bailey

1834 KALORAMA AVE.

Washington D.C.

1907.

4 P.M.
or Calif.

24.

old
in ridge

not
on
1.

11.

8.45.

8.50.

streaks

May 27

Left Washington, D.C. at 4 P.M.
for St. Louis, El Paso & Calif.
Corn just coming up.

Dark after Harper's Ferry.

May 28

Breakfast at Cincinnati.
A cold night, frost on ridge.
Crops backward -
Corn not up

Kincennes - Iow.

Winter rye headed out
wheat small & poor -
Corn up in one field -

St. Louis 5:27 P.M.

May 29 Kansas City 7:50 A.M.

Left K. C. at 9:25 A.M.

Zapetka

Crops ahead of Ill. & Mo.
Corn up in rows
Rye & some barley & wheat & some
corn all set up

McPherson

More open plains

Osage orange hedges

Some good orchards

Lepus melanotis 4

Citellus idahoensis 1

Hannan

Lepus melanotis 3

Rob. grazing

Yucca glauca in flower

Mulberry grove

Lepus melanotis 1

Big prairie town

Big dry cañon

Partridge

Lepus melanotis 4

son - nice little town

Lepus melanotis 9

Laramie

Lepus melanotis 3

Preston

Burrowing owl 2

1 *Lepus melanotis* 3

Pratt

L. melanotis, 7 in one hollow

Dark near Oklahoma line

May 30.

Daylight at Laramie

Rainy, grass well up

Santa Rosa 8,000. 4700

Yucca glauca not in blossom

Mesquit leaves not out

Guadalupea - getting green

Viburna in full flower

Leontice

Torrance

Pinus ponderosa - on hills

" edeltes "

Juniperus monosperma

Quercus gambelii - shrubby, abu.

Yucca baccata com

" glauca "

Rhus trilobata "

Spiraea arborescens "

Atriplex canescens "

Guadalupea cuttancea "

Corizozo

5 miles south of Bridge

Corolla tridentata begins, com

Mesquit, in top, "

Tulossa

Alamo gorilla

Yucca radiata beginning to flower

Corolla - a few places

El Paso 5:30 A.M.

Tonquinera, buds, no leaves

Deming, 7:30 P.M.

May 31 Deming

Mesquites in full leaf & blossom
Yucca radiosa, in bud only.

Condalia

Lizyphus

Ephedra

Artemisia filifolia abn

Chilopsis ~

Cucurbita megarrhiza

" *Rumex alata*, big roots, vire

Mulberry com

Populus

Opuntia arborescens? afav

Tessaria salicifolia? com

" *glutinosa*? "

Deming to Silver

Cynodon ludovicianus, abn. &
young just out of berries

Citellus opimus 3,

Lepus texianus

" *arizonae* com

Dipsosaurus spectabilis, abn.

Thomomys mille, com.

Neotoma flavescens "

Canis megalotis 1

Zapidea 1

Deming May 30-31

<i>Aegithis vocifera</i>	heard
<i>Buteo swainsoni</i>	seen
<i>Zenaidura</i>	"
<i>Chondroiles</i>	2
<i>Tyrannus vociferans</i>	com.
<i>Myiarchus cinereus</i>	1
<i>Sayornis saya</i>	2
<i>Cosmos cryptoleucus</i>	3
<i>Otocoris</i>	1
<i>Icterus galbula</i> in town com.	
<i>Carduelis psaltria</i>	" "
<i>Zonotrichia</i>	" "
<i>Passer domesticus</i>	" "
<i>Hirundo</i> , nests	" "
<i>Mimus gundlachii</i>	" "
<i>Calypte anna</i>	4
<i>Geococcyx</i>	2
<i>Oquila chrysoptera</i>	2

June 1

<i>Icterus parisorum</i>	2 a pair
<i>Spoctilo</i> & family of yg.	
<i>Cactus wrens</i> & nest	
<i>Tyrannus verticalis</i>	com
<i>Geococcyx</i>	2

Silver City May 31.

<i>Buteo swainsoni</i>	1 in town &
<i>Chondestes</i>	com

June 1, Deming 2:30 P.M.

Same vegetation all along
to Gage - & beyond -
Red Mts. - all bare,
North slope may be upper Sonoran
Victoria Mts bare rocks, low,
bushes only on N. slopes
Valley lower Sonoran
Sofat
Lower Sonoran
Lordsburg

Lordsburg June 2 -
Tyrannus verticalis com, nests
Myiarchus cinereus com
Contopus richardsoni 2
Lanius com
Otocoris " "
Heliodoxa & nests
Harporhynchus curvirostris 2
Sayornis saya
Amphispiza bilineata abu
Icterus parisorum 2
Zenaidura & nest com
Mimus gundlachii "
Calasphorus platyrhynchus 2 herd
Passer domesticus com in town
Chondroiles 4

Lordsburg June 2

Comandra	abn
Prasopis glandulosa	com
Kochia	"
Ephedra	"
Tessaria glutinosa?	"
Condalia	"
Rhus microphylla	"
Prosopis pubescens in washes	
Zizaniopsis miliacea	abn
"	palids a few
Opuntia phaeotricha	abn
"	leptocactus "
"	argentea a few
"	purple pads, few ^{com}
Echinocactus rigidus	from grasses abn
Mammillaria	big flat
Agave	big, after
Baileya	on hills, abn.
Yucca whipplei	abn
" Baccata	a few
Acacia constricta?	com
Atriplex canescens	"
Zizaniopsis	on hills "
Parkinsonia aculeata, in yards	
Chilopsis	along streams

Lordsburg left 3 P.M.

June 3	—	4475
All level to Summit &		
all fence Sonoita		
Summit	4475	
Down grade to Gila		
Durango	3850	
Barley	ripe or ready	
Alfalfa	some cut & stacked	
Pithecellobium revolutum	abn big	
Corn	16 in high	
Potatoes	1 foot high	
Cabbage, turnips, onions		
few gathering		

Tessaria broadii	abn along river
Atriplex	big bush & a
Prosopis glandulosa	in full flower
Tessaria linearifolia?	com, and
Chilopsis	in full flower
Sabicea nigra	a few
Artemisia filifolia	ed.
Acacia constricta?	abn. in flower
Celtis	in flower
Bigelovia canescens	big, in flower

Author

3650
3700

Pila River

Zenaidura 316 obs.
*Lophortyx gambeli*²⁹⁵ ♀, 3,
*Mimus leucophrys*⁷⁰³ com
Oxyechus virens 273 1
*Asthenes veraguensis*²⁶³ ♀

Pyrocephalus? 1 nov. juv.
Guthrie 3650,
Cardinalis

Clifton 3700
*Amphispiza bilineata*⁵ com
Salpinctes 1

Clifton

Garria com. NW slopes
Acacia constricta com. in flower
Dasylieria com. NW slopes
Toumiera in fruit
Opuntia engelmannii
" *schottii* " " *applanata*
" *leptocaulis* " " flowers
Whole set of Lower Sonoran plants.
Aleander trees in blossom
Parkinsonia in flower in yards
Psoropis glandulosa
Acacia constricta
Mimosa roemeriana? catclaw, in flower
Zizyphus
Tarrea
Ephedra trifurcata
Yucca whipplei com
" *baccata* a few
Opuntia schottii
" *leptocaulis*
" *engelmannii*
" big, no spines
" brown spines
Cereus engelmannii, petiole on top

Clifton June 3

Guthrie

Caronado - on ranch
early stage to Solomonsville

Junipers monosperma, a few
on N.E. slope at Caronado

Tyrsium pallidum, in spots

Dunes

Lordsburg

Lower Sonoran all the way

Brockman

Good section house, pump, & tanks.

Forest of Yucca radiata

Ephedra trifurcata abn

Good grass

Hachita

Yucca radiata

" boreata

Cotyledon

Lesquerella heterophylla

Ephedra trifurcata

Psacopsis glandulosa

Valle de los Platos

Minas

Agave

Thunbergia in flower

Rodoc

June 3

Clifton

Guthrie

Cardinalis 2

Mimus leucotis abn.

Zenaidura

Cathartes aura 2

Buteo calurus 2

Danean

Cardinalis 1

Lanius 1

Up Wash

Colaptes squarrosa 2

Lordsburg

Brockman

Corvus cryptoleucus abn.

Geococcyx 1

Callipepla 2

Hachita

Chiricahua

Upper Sonoran

Cynometra moluccana com

Dipodanthus pectinatus abn

Schoenoplectus com

Sturnella

Brownsdior

Lower Sonoran agains

Agave big

Douglas

Prosopis glandulosa abn

Baccharis glutinosa "

Covillea "

Acacia constricta "

Chilopsis "

Zizaniopsis on ridges

Agave big in hills

Dasyptilium "

Yucca baccata ? "

Over ridge

Juglans along cr.

Bisbee

Sturnella

2

San Pedro R.

Prosopis glandulosa abn
" *gibbosa* ..

Mesquite com

Acacia constricta "

Populus fremontii along river

Tessaria boucardi

" *lineosaphis* ? ..

Yucca radaeza com

Opuntia sebottii ?

" *Atkipia torreyi* ? big

Fairbanks

Benson

Procyon

Lynx

Lynx arizonae a few

Thomomys hills abn

Dipodomys merriami

tracks don't

" "

Benson

<i>Zenaidura</i>	abu.
<i>Scardafula inca</i>	in town
White winged dove	1 heard
<i>Callipepla squamata</i>	co
<i>Lophortyx gabelii</i>	"
Wisenia quail, said to be in Yellowstone jets.	
<i>Oreococcyx spatera</i>	1 heard
<i>Chondestes grammacus</i>	co.
<i>Tyrannus vociferans</i>	"
" <i>verticalis</i>	1
<i>Myiochanes cereola</i>	1
<i>Scarpornis</i>	young flying
<i>Chonopelia</i>	abu
<i>Lectoris</i>	
"	
"	
<i>Cardinalis</i>	co
<i>Pipilo aberti</i> ("Camp bird")	"
<i>Carpodacus frontalis</i>	"
<i>Amphispiza bilineata</i>	"
<i>Vireo stepheni</i> ?	abu.
<i>Europarus flaviceps</i>	1
<i>Actitis</i> <i>o. longicauda</i>	co.
<i>Mixornis lundstrami</i>	abu.
<i>Heliobates</i>	
<i>Piranga ludoviciana</i>	18 drinking
<i>Querula c. caerulea</i>	18
<i>Molothrus</i>	2
<i>Cathartes aura</i>	2
<i>Buteo borealis calurus</i>	1 #

Salpinctes, in Yellowstone Mts.

one came to river shaft & carried away 15 millers in an hour & worked 10 hours a day - feeding young. Carried stones & put in front of nest - Old nester

*Trochobates**Corvus cryptoleucus* 2*Stelgidopteryx* 1 no black band 2*Zenaidura berlepschi* ? just ^{stepping} 1

one came down to drink

Trochobates curvirostris 2

did in sand board wif - like hole gets food rapidly - digs deep hole with 3 quick strokes.

Tucson

Prosopis glandulosa abn
Mimosa roemeriana com
Acacia constricta on mesa["]
Baccharis boliviensis along abn
" *maritima*? com.
~~*Baccharis*~~ full of sp. but abn
Populus fremontii along R. a few
Salix nigra " "
Atriplex torreyi? ^{canescens} " abn.
Suaeda diffusa com.
Kochia on mesa com
Lycium andersonii " "
Ephedra "
Covillea on mesa
Opuntia scottii? a few
Opuntia engelmannii on mesa
" brown spined a few

left Tucson 4:30 PM

Agave big.

Opuntia spinosa very spiny, fast.
first seen near Pantano

Pantano very spic.

Opuntia spinosa very spiny com
Agave com. "

Yucca palmeri, not bracted, com

Yucca radiata in flower

Sophora secundiflora very abn.

Iron

Cereus giganteus fast.

Echinocactus wislizenii com.

Polivora com. fast

Parkinsonia microcarpa

Z Tucson

Tucson June 5.

<i>Acacia gigantea</i>	abu.
<i>Echinoocerus wislizenii</i>	com.
<i>Opuntia spinosa</i>	abu.
" <i>versicolor</i>	"
" <i>schottii</i> ?	"
" <i>engelmanni</i> ?	"
" bloom spined	a few
" <i>leptoclada</i>	"
" , ¹ , largest <i>Opuntia</i>	
<i>Agave</i>	
<i>Yucca palmata</i>	com
" <i>radiosa</i>	com.
<i>Toumiera</i>	abu.
<i>Prosopis glandulosa</i> ,	"
<i>Mimosa roemeriana</i>	abu.
<i>Acacia constricta</i>	"
<i>Parkinsonia microcarpa</i>	"
<i>Kochia spinosa</i>	com
<i>Ephedra</i>	"
<i>Psorothamnus bonariensis</i>	"
" <i>liveraefolia</i> ?	"
<i>Zygophyllum</i>	
<i>Populus fremontii</i>	
<i>Chilopsis</i>	
<i>Salix nigra</i>	
<i>Mouria?</i>	
<i>Krasenitsia</i>	
	on hills.

In town - Tucson

Fig trees	
Palms, Washingtonia	
Olbeards, pink & white, trees in flower	
Pipperberry	old, com
Mulberry	ripe -
Tamarisk	com
Chinaberry + Umbrella tree	com
Cottonwood	abu
Willow - nigra	"
<i>Micotia glauca</i>	com
<i>Arundo tectoria</i>	by water

Atriplex canescens com.

<i>Dipodomys spectabilis</i> can	
" <i>herriani</i>	2
<i>Citellus leetlandus</i>	abu
" <i>graminos</i>	1
<i>Amorphophallus</i>	a few.
<i>Eporocarpus</i>	abu
<i>Lepus alleni</i>	com
" <i>texensis</i>	6

Crotalus

1

El Tucson

<i>Zenaidura</i>	a few
<i>Buteo calurus</i>	1
<i>Cathartes aura</i>	
<i>Falco sparverius</i> on giant cactus	
<i>Tyrannus vociferans</i>	
<i>Sayornis saya</i> & nest	
<i>Pterocichla</i> 19	
<i>Chondestes grammacus</i>	1
<i>Colaptes chrysoides</i>	1
<i>Lanius</i> a few	
<i>Molothrus ater</i>	3
<i>Zenaidura palmeri</i>	
" nest	
<i>Heliodoxa</i> nests, com.	
<i>Mimus leucotis</i>	"
<i>Catherpes</i> on desert lob -	
<i>Carpodacus frontalis</i>	o
<i>Amphispiza bilineata</i>	1
<i>Passer domesticus</i> , <i>H. domesticus</i> ^{a few}	nest, few
<i>Piagre's. hesperius</i>	2

<u>Casa Grande Station</u>	Jan 7.
<i>Prasopis glandulosa</i> , abn.	
in fruit & flower	
<i>Croton</i>	in fruit, abn.
<i>Atropa</i>	small leaf "
<i>Ixococcus</i>	large spiny "
<i>Echinocactus</i> with spines	2
<i>Cereus giganteus</i>	1

In Yards

<i>Washingtonia</i>	com
Date palms - bearing	
Ticks	a few
Oleander trees 3 colors	
<i>Melia</i> , Umbrella trees com	
<i>Nicotiana glauca</i>	abn
Opuntia	big tuni com.
Pepper tree, full of berries abn	
<i>Ficus</i>	long street com.
Populus fremonti, evergreen, a few	
Grapes	
Pomegranates, full of fruit	
Olive trees	
<i>Parkinsonia aculeata</i> ?	com.
<i>Prosopis pubescens</i>	2 in yard
Roses	abn.

Casa Grande June 7,
Calipepla gambeli; obs. *hedgehog*
Zenaidura & nests. obs.
Metopelia leucoptera com.
Cathartes aura 3
Buteo 1
Chordeiles texensis 1
Tyrannus vociferans
Miyazakius cinereus 2
Sayornis saya 1
Toxostoma lecontei com
Mimus leucomelas "
Pediocetes Mock afield 2 sets
Heliobolus nests, com
Totanus several
Agelaius xanthomus 3
Lanius com.
Toxostoma bendirei "
 " " *polveri* 4

June 8 back to Uts.
Cereus giganteus obs
Opuntia spinosa "
 " *versicolor* a few.
 0.
Echinocactus wislizeni 4
Echinocactus engelmanni 1
Lippia com 3
Pithecellobium uncinatum obs
Touquira ..
Corvus ..
Prosopis glandulosa a
Mimosa ..
 -

June 9 Casagrande, 9 AM. *Mimosa roemeriana* on
Coihue abu

Edition House

Holocanthus

Prosopis glandulosa

Cochille

Atriplex

Lippia

Mariopas

Ceram gigantea

Holocanthus

Pachynosia microcarpa

Cochille

Atriplex

Robbed

Iron tree, *Olnea* abu

Pachynosia

Estrella Mts.

Ceram gigantea abu

Mariopas Mts.

Ceram gigantea abu

Opuntia spinosa

"

"

Fouquieria

Iron tree

Cochille

Prosopis glandulosa

abu.

Gila

Azte

Giant Cactus

Gila City = Monitor

Atriplex triangularis first on
Dolce

Yuma

Bottles flooded

Persea sapota

Baccharis glutinosa dry R after.

Atriplex 5

Salix

Pithecellobium

Prosopis pubescens

Cochille on mesa

Iron tree

Forstiera

Cochille

Dolce

2

Atriplex

"

Oxybry

35 2 feet

Marmotte

Salton Sea - first view:

Paloverde	com
Iron tree	"
Cocinea	"
Dalea big blue	"
" small	"
Atriplex	low "
Sophora	big "
<u>Shore of Salton Sea</u>	
<u>Floating Well</u>	

Imperial Junction
Iron tree
Atriplex

com
"

Cocinea

Volcanos

Atriplex
Swartzia
Bestraon -
Prosopis glandulosa? spw
Atriplex
Cocinea
Duravel

abu
com.

Dalea, big blue again
Prosopis glandulosa spw.
Atriplex
Cocinea

Salton

just Atriplex & a little Dalea
& 3 Mesquites trees

Cocinea

Iron tree

Mesquite

Paloverde

a few - com

2 com.

Mesa end of Salton Sea.

Prosopis pubescens abu. first
Washingtonia in yards
Atriplex torreyi? big, abu.
" abu " others "

Swartzia

Ranches & fruit & trees abu.

Cocinia

Eucalyptis trees

Populus trees

Prosopis glandulosa

Baileya viminea

India

June 10, Indio - 22 feet below sea level
 Washingtonia
Populus fremontii
Prosopis glandulosa abn
 " *pubescens* a few
~~*Acacia*~~ ^{*borealis*} ~~*canescens*~~; abn
Atriplex torreyi? big
 " *canescens* " "
 " *polycarpa*? low " "
Baccharis ^{*argentea*} ~~*virginica*~~ com
 " *"* " "
Guadalupea suffruticosa big "

Indio
Sides of valley
Covillea abn
Atriplex polycarpa ? "
 " *hymenocalyx* " "
Lycium cooperi big "
 " *andersoni*? "
Dalea fremontii big blue, com.
 " *grandiflora* ^{*polystachya*} " "
~~*Krameria parvifolia*~~ ? "
~~*Stegonotus mucronatus*~~ " "
Erriogonum inflatum " "
~~*Hippocratea glabra*~~ ^{*forficulatum*} " "
Dalea or *Forcipolobelia* pads, big bush "
Washingtonia 3 groves
Opuntia echinocarpa? a few

Indio -

Populus fremontii com
Melia - Umbellifer " "
Nicotiana glauca com
Quince? "
Date palms a few, yg.
Orange trees a few
Fig "
Tigave big
Lantana bush
Pepper trees com
Pomegranates com, in fruit

Indis June 10.
Icterus

<i>Sayornis saya</i>	com
<i>Lophotegix gambeli</i> + yg.	com
<i>Zenaidura</i>	"
<i>Sedeciphaeus cyanocephalus</i>	1
<i>Pipilo fuscus</i>	com
<i>Grallaria</i>	1
<i>Heliobletus</i>	2 nest, 1
<i>Eremomela melanoleuca</i>	2
<i>Zalpinctes</i>	2
<i>Carpodacus</i>	com
<i>Lanius</i>	1
<i>Myioarchus cinnamomeus</i>	2
<i>Ploceopsis</i>	2
<i>Auriparus</i>	1
<i>Geococcyx</i>	1

Dipsosaurus
Crotaphytus
Crotaphytus
Crotaphytus
To Palm Springs

Jennell, Palm Springs
up Mt -

India June 10.
Sturnus

<i>Sayornis saya</i>	com
<i>Sophastyx gambeli</i> + y. "	"
<i>Zenaidura</i>	"
<i>Sedeciphaeus cyanocephalus</i> ?	1
<i>Pipilo fuscus</i>	com
<i>Garrulus</i>	1
<i>Thraupis</i>	nest, 1
<i>Eremomela melanoleuca</i>	2
<i>Galpinieta</i>	2
<i>Carpodacus</i>	com.
<i>Lanius</i>	1
<i>Myiochanes cinnamomea</i>	2
<i>Pholidoptera</i>	2
<i>Auriparus</i>	
<i>Geococcyx</i>	

Dipsosaurus
Callisaurus
Otostrophus
Crotaphytus
To Palm Springs

June 11, Palm Springs
up Mts -

<i>Covillea</i>	- 2000
<i>Dalea polyadenia</i>	- 2000
<i>Krameria parvifolia</i>	2000
<i>Dalea</i> (<i>Macrorhiza</i> ?)	1500
<i>Ephedra antisyphilitica</i>	2000
<i>Echinocactus wislizenii</i>	2000
<i>Opuntia echinocarpa</i> ? yellow f.	3000
" " "aspiform", crimson	3000
<i>Mimosa roemeriana</i>	1000-3000
<i>Yucca whipplei</i>	1800-5000
Hard nut bush	" - 3000
Wilkwood bush, leafless	" - 3000
<i>Andricus</i> in "flat"	" -
<i>Ramonda polystachya</i>	" -
<i>Lactuca</i> big bushy "	" -
" <i>Stachys</i> rough leaf "	" -
<i>Juniperus monosperma</i> (bush) 1800-	
<i>Psathyrotes</i> yellow 1800-5000	
<i>Yucca</i> baecea <i>baecea</i> 5000	2000-5000
<i>Beberellia</i>	2000-6000
<i>Juniperus</i> <i>torreyana</i> com. " - 5000	
<i>Eriogonum</i> (woolly leaf) " " - 5000	
<i>Quercus dumosa</i> ? shrub 2800-6000	
<i>Cercocarpus parviflorus</i> " " - 6000	
<i>Prunus</i> <i>andersonii</i> " " -	
<i>Arctostaphylos</i> " 3000-7000	
<i>Rhus</i> <i>ovata</i> thick leaf 3000-5000	
<i>Ceanothus</i> soft leaf 2800-5000	
<i>Pinus</i> <i>monophylla</i> 3000-6000	
<i>Poeciliptacanthus</i> 3700-6000	
<i>Adenostoma fasciculatum</i> S. 4000-7000	

Dr. Douglas H. Campbell
Botanist, Stanford.

Mr. Henry M. Campbell.

<i>Castilleja</i>	3000-
<i>Philadelphus microphylla</i>	4800-
<u>Water at 5700 feet</u>	
<i>Garrya</i>	big, 5700-
<i>Quercus chrysolepis</i>	" -
" <i>Californicus</i> T. & G. Black	" -
<i>Pinus ponderosa</i>	5,700- 7,600-
<i>Pinus lambertiana</i>	5,700- 7,600- Abies
<i>Pinus coulteri</i> & com.	7,600-

<u>Semi-facultative</u>	<u>Mts. - juell.</u>
<i>Corpodaeus</i>	to 3000 feet, obs
<i>Salpinctes</i>	2 at 2000
<i>Catherpes</i>	2 at 1000
<i>Hummer</i>	com. 1 shot at 1200
<i>Corvus sinuatus</i>	2 at 500
<i>Argonauta pacifica?</i>	1 at 2000
<i>Accipiter melanotos</i>	com. at 5000 2 - in nest at 4500
<i>Polyoptila caerulea</i>	1 at 3000
<i>Picus</i>	1 " "
<i>Thryomanes</i>	1 "
<i>Myioarchus cinereiceps?</i>	2 "
<i>Buteo calurus</i>	3 "
<i>Zenaidura yucatana?</i>	1 at 2000, 1 at 5000
<i>Dryobates</i>	1 3700
<i>Aphelocoma</i>	1 "
<i>Taxodium</i>	1, 5000
<i>Pipilo megalonyx</i>	3, at 5700

<u>Valley</u>	
<i>Prosopis glandulosa</i>	a few
" <i>pubescens</i>	"
<i>Atriplex lentiformis</i> big	"
<i>Opuntia spinocarpa</i>	obs. -
<i>Datura</i>	big blue 6000
" <i>glauca</i> ?	"
<i>Croton californicus</i>	obs.
<i>Fragaria ananassa</i>	"
<i>Kalanchoe peregrina</i>	"
<i>Salicornia californica</i>	"
<i>Atriplex polycarpa</i>	"
<i>Cordia</i>	"

<i>Eriogonum fasciculatum</i> ^{exactly}	4,3000
<i>Hosackia glabra</i>	7,3000

Up San Jacinto Mts. June 11

<i>Urotrichus</i>	in rocks 2000-
<i>Ovis</i> ?	bedrock 1000
<i>Odocoileus</i>	rocks at 2000
<i>Thomomys</i>	2000-
<i>Eutamias</i>	1 3000-
<i>Citellus fisheri</i>	1, 2 " -
<i>Lepus arizonae</i> ?	signs at 4000
<i>Lepturus</i>	ridges 3000-6000

Palm Springs

In valley

<i>Citellus trutticulus</i>	con
<i>Thomomys pallidus</i>	"
<i>Dipodomys deserti</i>	"
<i>Ammodramus savannus</i>	1

Sceloporus
Crotaphytus?
Ophisaurus
Dipsosaurus

big rock 2000-
on up to 3000
1 sp. Murray
1 legt

Palm Springs, up Mts.
Lower Sonoran,
up to 3000 on N. 4000 on S. slopes
Upper Sonoran 3000 on N. to 6000.
4000 on S. to 7000.
Transition 6000 on N. to
2000 on S. to -

Trees in yard at Palm Springs

Washingtonia
~~2000 ft. sago palm~~
Date palms, several varieties
Quercus
Eucalyptus
Orange & *lemon* trees
Olive
Fig - purple & white san pedro
Prune & *green* plums
Pomegranates
Quadelepe cypress 1
Italian cypress 2
Scotch pine 1
Camphor tree
Java
Oliveras, 3 kinds
Magnolia glauca?
Agaves
Yuccas
Pippins tree
Parthenocissus - parthena bush.
Lemon Sago -
Tamarike
grapes -

Mulberry trees
Pumpkin trees - 4 kinds.
Cuscuta quadrangularis.
Acacia and *Acacia*.

June 11

Palm Springs

Palm Spring Station

earns to White waters

White Waters Station

" " 3 miles west

Change from eastern to semi-arid.
Same species but abundant

Cabezon Station

End of desert species

except

Chilopsis

still com.

Grunteria

not chinocarpa also
sprinkles, creosote, etc.

"

Mimosa

com

Eriogonum

bush

"

None of these reach 20

Banning -

All fruit & grain &
alfalfa & crops with
or without irrigation

Eriogonum

ab.

Wild oats

"

Grass

"

Weeds

"

Stigmella neglecta com

Bearcat

San Bernardino

Los Angeles

June 12. Los Angeles

Hotel Roslyn, 5th & Main.

June 14 out to Pasadena & back

June 15 To Ocean-side &
Twin Oaks

June 16, To Ocean-side
Twin Oaks

Quercus agrifolia

" dumosa

" wislizenii ?

Platynus racemosa

Rhus ovata

" laurina

" diversiloba

Ranuncula polystachya white sage

" stachyoides blue sage

Tonieera subspicata

Erydium glaucescens

" nivea

Twin Oaks

Grovillia
Eucalyptis
Pepper Tree
Washingtonia
Cherry Berry
Umbrella tree
Cypress
Acacia

Orange	do well
Tangerines	"
Lemons	"
Grapefruit	"
Olives	"
Prunes	"
Peaches	
Apricots	
Plums	"
Grapes	good
Apples	after
Loquats	"
Zig - - purple & white	good
Chestnut tree	1
Washingtonia	
English Walnuts	good

June 18 Oceanside

Poplars
Alms
Salix nigra
" silver leaf
Sycamore
Rhus ovata
" Laurina
"

Mycetophyllum
Platynus racemosa
Sambucus glauca
Artemisia californica like filifolia
Zygium on coast
Cotyledon edulis green on coast
Cotyledon pulvinatum white on rocks
Yucca whipplei? big, can.
Opuntia engelmanni? ubi
Cotyledon pulvinatum
" *edulis*

Oceanside In Town

Cypress abn.
 Eucalyptus many kinds abn.
 Pines scrub? com
 Pepper trees abn.
 Fig - white, bearing, com
 Nicotiana glauca
 Tamarisk
 Agave, big, many species com
 Lantana +
 Washingtonia, 2 sp. -
 Prosopis 1
 Acacia com
 Olives over ridge
 Magnolia glauca big tree in place
 Bougainvillea
 Trumpet vine - thorny, big
 Potato vine
 Jasminum 3 varieties, white
 Yucca arborescens
 Date palms
 other palms
 Banana trees 2, 6 feet high.
 Arundinaria tectorum, big patches
 Poinsettia, big bush,

Oceanside, June 18-

Agelaius vociferus com
Ardea herodias -
Lophortrix vallicola -
Zenaidura "
Cathartes "
Tyrannus vociferans "
Sayornis nigricans "
Euphagus cyanocephalus abn
Audubonius com.
Molothrus "
Otocoris "
Carpodacus "
Pipilo fuscus "
Melospiza com.
Charadrius vociferus 2
Petrochelidon abn.
 breeding on bank & old mill, 4 nests and
 6 young, all used.
Sturnella abn.
Tanias 2, 49. com
Sprotto
Thripas 1
Barn Owl 2 + 4
Icterus nelsoni 1

Oceanside, June 18-

Citellus buckleyi

Peromyscus boylii
" *gambelii*

Rithrodontomys

Mus musculus

Microtus

Neotoma pacifica

Thomomys

Zapus beldingi

" *calif-*

abs.

com.

"

abs.

1

abs.

"

a few

June 20 San Luis Rey

dagoon

Falco 3 old + 3 young

Padilimus 2

Andrea horodias 1

Moosa

Mirvus p. leucaptria

Perognathus big 1 in nest

Pituophorus

Eulanea

Sceloporus biseriatus

Gerrhonotus scincicauda

Phrynosoma blainvillii

Merriam Mts., June 20,
 Platinae. *racemosa*, along stream
Populus " "
Salix " "
 " "
Alnus " "
Quercus agrifolia com
 " *whizzeni*? "
Rhus diversiloba "
 " *trilobata* "
 " *monophylla* " *ovata* - "
 " *lanceolata* " *laurina* "
Greveaia *parviflora* "
Ribes *ingebrians* "
Crataegus *intermedia* "
Rhamnus *divaricatus* "
Rhamnus *lanceolata*? com
Adeona *pasquieriana*
Hibiscus bush "
Ionica *subspicata* "
Mimulus
Ranunculus *polyacanthus* red bush "
~~*Zauschneria*~~ *stachyoides* white sage "
Artemisia *californica* blue sage "
Sanctucus *alapea* "
Heteromeles *arborea* "
Myrceea *crustacea* "
Calochlodon *pulvinulatum* a few
Oplonia *engelmanni* com.
Yucca *whipplei* a few
Heteromeles *arborea* com
Yucca *mattoensis* a few
Mustard obs
Radish "
Wild oats "
Castilleja "
 "

June 21, Escorcidio
Eucalyptus abn
Cypress com
Plumes "
China berry "
Umbellifer "
Orange bearing a few
Olive abn.
Washingtonia a few
Date palm "
Grevilleas
Auricarios 2 big,
Agave big. com.

Plant Catalogue 1907

Ro.

1165. *Opuntia occidentalis*

Warner Ranch, June 25,

1166. *Opuntia bernardina?* ~~soft~~

Watson. June 25,

Oceanside - June 20.

1167. *Asterias californica*

June 20

1168. *Populus trichocarpa*

1169. *Alnus rhombifolia*

1170. *Erriogonum fasciculatum*

Capistrano July 10

1171. *Baccharis sericea?* *vinacea*

1172. *Baccharis glauca?* ~~viridis~~

Trabuco Canyon, July 15

1173. *Ribes hesperium?* ^(C) *spinosum*

1174. *Ribes indecorum?* ^(C) *not spinosum*

1175. *Grewia leuwoxa*

1176. *Fraxinus dipetala*

1177. *Rhamnus crocea*

Roberto Langes

1178 *Baeckea*? *Eriogonum*? leafless

1179. *Pseudotsuga macrocarpa*

Capistrano

Capistrano, July 16.

1180. *Opuntia prolifera*

on shore of ocean

1181. *Opuntia occidentalis* spiny

1182. *Opuntia occidentalis* spines

Santiago Langa July 19

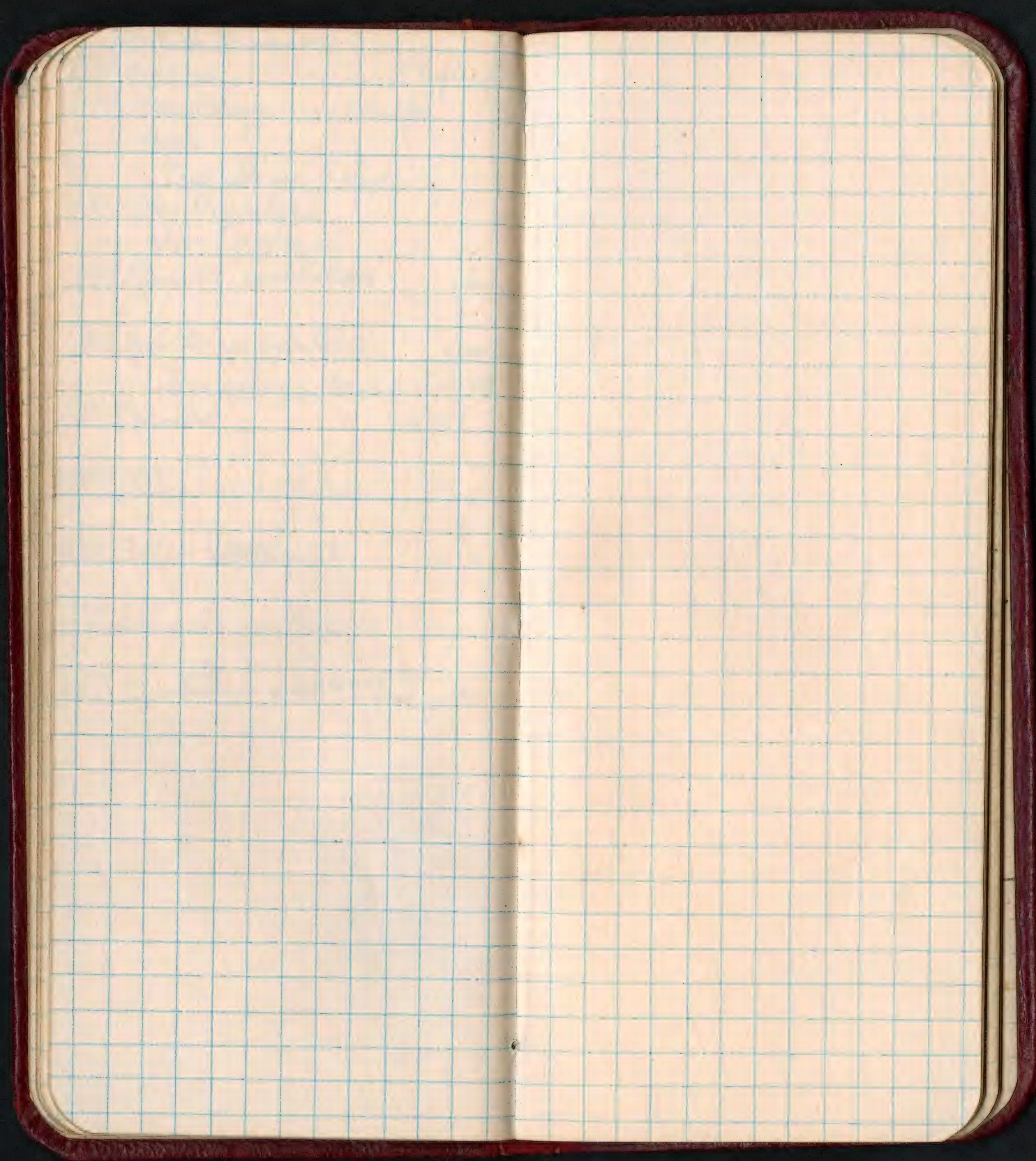
1183. *Opuntia* small

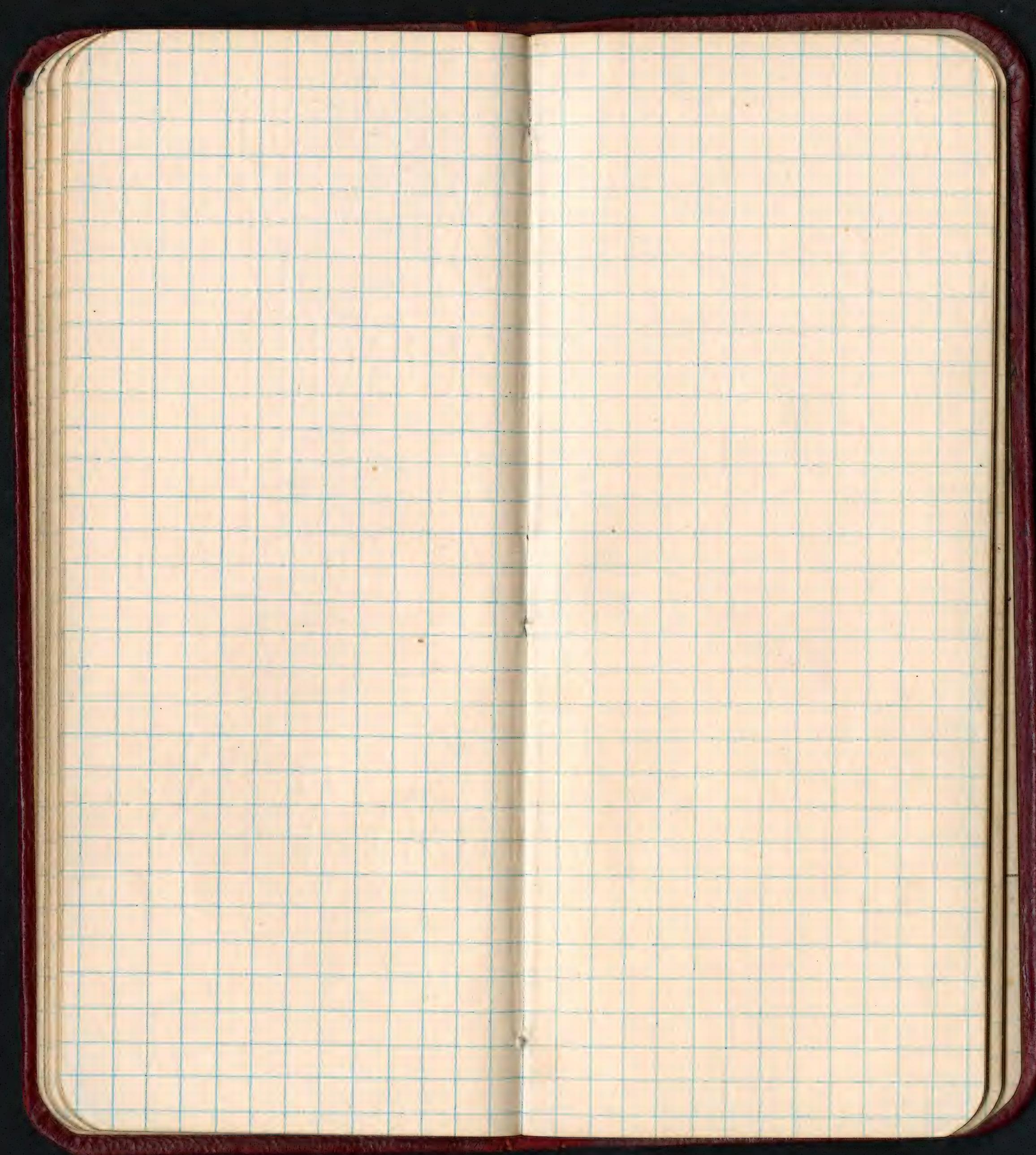
1184. *Salix laevolepis* tree

1185. *Salix latifolia* big leaf

1186. *Salix macrostachya* - (big leaf)

1187. *Pentstemon antirrhinoides* bush, yellow







Trees & Escondido

San Pasqual Valley

Eucalyptus

Poppet trees

Olives

Walnuts -

good

Pomegranate

1 in place

Winkella tree

Mectava glauca

Orange

2 trees

4 "

Ajocat

good

Sabice

along river

Platnum

"

Populus

"

Baobab

on flats

White sage

on foothills

Blue sage

"

Hatocalia glabra

"

Oplurites engelmanni

" abn.

Sambucus

"

Ericogonum pascuatum

"

Proctopis glandulosa 1 big tree

San Pasqual Valley, Jun 22

Zenaidura	com
Cathartes	"
Zenaidura vallicola	"
Agelaius	not gregarious, obs
Euphagus	com
Aphelocoma	3
Melospiza	com
Pipilo macrourus	"
Alticola n. hyperboreus	"
"	lawrencei
Lanius	"
Icteria v. longicauda	ward
Tyrannus verticalis	com
Orius	head
Petrochelidon	com at barn
Capodacus	com
Agelaius phoeniceus	1
Tago	
Oxyechus roseofrons	1
Dendroica aestiva	2
Sturnella	common
Prosthemadera	1
Phainopepla	1
Mimus leucotis	abu
Setophaga virens	2
	1300 feet
Contopus richardsoni	com.
Pipilo neopanamensis	ward
Psaltriparus	a family
Melanerpes formicivorus	1
Corvus brachyrhynchos	2

Up Canyon

Upper Sonoran begins	N. slope of 7000
Adenostoma fasciculatum	"
Carthamus divaricatus	"
Hitterman's	"
Acrocarpus pauciflorus	"
Arctostaphylos idahoensis	"
	hard berry bush
Carthamus integrifolius	"
Plus	thick leaf
Mimulus	shrubby
Quercus wislizenii	"
"	agrifolia?
"	Moniliformis?
	3000-
	1300-

Divide 1500.

Rancho 1400

Eucalyptus	
Umbrella tree	
Washingtonia	2 fav
Olive trees	a few
Lemon trees	4 small, full of fruit
Pepper trees	com. old & big
Orange trees	full of fruit
Fig	"

Populus	com
Sapindus	"
Platynandra	"
Thespesia	"
Horseradish	"

Rancho

<i>Holothrus</i>	1.
<i>Otocoris</i>	1.
<i>Sisymbrium</i> var.	1.
<i>Agave</i> <i>oreocarpa</i>	1.
<i>Zizaniopsis</i>	com
<i>Dipsosaurus</i>	"
<i>Cathartes</i>	"
<i>Melanerpes formicivorus</i>	1
<i>Tyrannus</i>	com
<i>Carpodacus</i>	"
<i>Aphelocoma</i>	"
<i>Zenaidura</i>	"
<i>Vireo</i> <i>paxillus</i>	1 juv.
<i>Empidonax</i>	1 juv.
<i>Empidonax</i>	com

On ridges

<i>Buteo swainsoni</i>	2
<i>Sturnus</i>	abn
<u>Witch Creek</u>	
<i>Phalacrotophylax</i> <i>nullotis</i>	heard
<i>Megascops</i>	-
<i>Carpodacus</i>	abs
Hummer	1
<i>Hopia melanophaea</i>	* nest
<i>Icterus</i>	

Up slopes

<i>Adonis</i>	- 2000
<i>Eryngium</i> <i>pacoccatum</i>	"
<i>Artemisia californica</i>	"
White sage	"
<i>Quercus</i> ag?	"
<i>Huernia</i>	"
<i>Geocaulon</i> <i>dimidiatum</i>	2400 "
<i>Actrostaphylos</i>	2400 "
<i>Sambucus</i>	"

Sunrise 2500

<u>Witch Creek</u>	
<i>Valley</i>	2400
<i>Witch Creek</i>	2800
peaches	
pears	
grapes	
figs	
English Walnut	upper good
Pomegranate	full
	wall tree in front

<i>Quercus</i> <i>agrestis</i>	
"	<i>exigua</i>
"	<i>laureola</i>

<i>Salix</i>	
<i>Castanea</i>	
<i>Wyethia</i>	
<i>Pearce brownii</i>	

<u>June 23, Witch Creek 2800</u>	
<u>Ridge</u>	3100
<u>Santa Ysabel</u>	3000
Zenaidura	on
Cathartes	"
Melanerpes formicivorus	"
Otocoris	"
Thraupis	"
Coturniculus	"
Aphelocoma	"
Falco sparverius	2
Zenaidura	on
Sialia bairdi?	on
Corvus brachyrhynchos	2
Speotyto ^{Family}	
<u>Warren Valley</u>	
Corvus brachyrhynchos	on
Falco sparverius	"
Lophotrix valleola	"
Zenaidura	"
Cathartes	"
Coturniculus	"
Melanerpes	2
Dryobates pubescens	3
Aphelocoma	1
Pipilo fuscus	on
Sialia bairdi	"
Minas	a few
Zenaidura	1
Ploceus	"
Myiochanes	4 few

<u>Santa Ysabel</u>	
<i>Quercus agrestis</i>	on
" <i>engelmanni</i>	"
" <i>dimosa</i>	"
<i>Platianus</i>	along streams
<i>Salix</i>	" "
<i>Sambucus glauca</i>	" "
<i>Psorolycium floridissimum</i> on	
La oak, viburn & artemisias	

<u>Y. end of Valley</u>	
<i>Quercus ciliata</i>	3300
Wild roses	on " "
<i>Ceanothus</i> ^{lignosus}	on "

<u>Warren Valley</u> 2700	
<i>Quercus agrestis</i>	around
" <i>engelmanni</i>	"
" <i>dimosa</i>	"
<i>Sambucus</i>	in bottoms
<i>Salix</i>	along streams
<i>Arctostaphylos viscida</i>	edge, on
<i>Adenostoma fasciculata</i>	" "
"	big red, coniferous
<i>Acacia</i> ^{divaricata}	at edge
" <i>concinna</i>	"
<i>Prunus ilicifolia</i>	"
<i>Arossopis glandulosa</i> , big	"

Warren's Valley

<i>Cotinus coggygria</i>	reed
<i>Sturnella</i>	com
<i>Oxybaphus</i>	1
<i>Spartium</i>	?
<i>Chenopodiaceae</i>	com
<i>Prunus</i>	1
<i>Pitrochelidion</i>	abn, budding
<i>Sisymbrium</i>	1

Taxidea

<i>Canis coyote</i>	com
<i>Citellus leechi</i>	com
<i>Thomomys</i>	abn.
<i>Dipodomys</i>	"
<i>Zapus arizonae</i>	com
<i>Peromyscus maniculatus</i>	2
" <i>boisae</i>	2
<i>Microtus californicus</i>	1. wt
<i>Boschimianus</i>	2
<i>Polygonum</i> <i>hengelii</i>	

reed
com

1

?

com

1

1

abn, budding

1

com

com

abn.

"

"

com

2

2

1. wt

June 24

Warren P. O. 3000
Opuntia small angustis, com
echinocarpa? "

Artemesia tridentata "

divide 3450

Down San Felipe Valley
Acacia roemeriana abn. - 2700
Chilopsis com "

Croton " not tephritis "

Eriogonum glaberrima "

Opuntia basilaris com "

Pithecellobium glanduliferum 2600

Wiplex "

Salix nigra "

" yellow "

" Geysen? on side hills, com.

White sage "

Erriogonum parvifolium " capitatum "

Populus in bottom

South side of valley

Agave deserti 1. abn.

Yucca whipplei "

Juniperus monosperma "

Quercus dumosa

Rhus big leaf

" *Zenobia* "

June 24.

San Felipe Valley

<i>Zophotrix</i>	com
<i>Carpodacus</i>	"
<i>Minus</i>	"
<i>Tetrao trochilus</i>	"
<i>deterrimus v. laqueiventer</i>	"
<i>Geococcyx</i>	,
<i>Tarucus</i>	com
<i>Quiscalus lazuli</i>	1
<i>Corvus</i>	a few
<i>Euphagus</i>	"
<i>Citellus fasciatus</i>	9

East end of Valley

<i>Carpodacus</i> <i>argus</i>	com
Barn owl in hole in bank	1
<i>Amphispiza bilineata</i>	
<i>Nyctocorax</i>	1

Bennes

<i>Phainopepla</i>	com
<i>Zophotrix</i>	and 8th com
<i>Zophotrix vallicola</i>	com

San Felipe Valley

<i>Crotaphytus</i>	-2700
<i>Crotaphytus</i>	- "
<i>Crotaphytus</i>	
<i>Populus</i>	
<i>Zenaidura</i> <i>tephensis</i>	
" <i>auduboni</i>	
" <i>arizonae</i>	
<i>Citellus triticaudus</i>	1
<i>Citellus triticaudus</i>	com
<i>Oreamnos americanus</i>	com
<i>Thomomys</i>	
<i>Dipodomys</i>	
<i>Neotoma</i>	

East and South life Valley	2400	
<i>Prosopis glandulosa</i>	abn.	
<i>Mimosa roemeriana</i>	"	
Covillea	"	
<i>Syean undulosa</i>	co	
" 'spatulata' big leaf	"	
<i>Ephedra</i> 2	"	
<i>Thamnosma</i>	co	
<i>Calochortus</i> ?	"	
<i>Opanthia echinocarpa</i> ?	"	
" <i>engelmanni</i>	"	
<i>Ceanothus</i>	"	
<i>Rhus</i> like shrubs, 3	"	
<i>Atriplex polycarpa</i>	"	
<i>Cleosoma</i>	"	
<i>Ceratostylis</i> <i>angustifolia</i>	"	
<i>Baccharis</i> <i>taratensis</i> abn. 1		
<i>Baileya</i> <i>gulosa</i> 2700		
<i>Quercus</i> 3.	co	
<i>Platimus</i>	"	
<i>Populus fremontii</i>	"	
<i>Alnus</i>	"	
<i>Salix</i>	"	
<i>Vitis</i>	"	
<i>Sambucus</i>	"	
<i>Yucca whipplei</i>	co	
<i>Rhus</i> big leaf	"	
<i>Adenostoma fasciculata</i>	"	
<i>Hassleria glauca</i>	"	
<i>Ceanothus</i> <i>divaricatus</i> bluish	"	
<i>Ceanothus</i> wide leaf abn.		

<u>Up grade</u>		
<i>Ceanothus</i> <i>ilicifolius</i> abn.		
<i>Arctostaphylos patula</i> ?	"	
<i>Heteromeles</i>	co	
<i>Prunus ilicifolia</i>	"	
<i>Arctomecon</i> <i>gibberum</i>	"	
<i>Ribes cereum</i>	a few	
<i>Circocarpus parviflorus</i>		
<i>Centaurium</i> bush, red,		
White sage <i>Ramona polystachya</i>		
<i>Zosma</i>	old	
<i>Circis</i>		
<i>Artemesia californica</i> 4000-		
" <i>chrysanthemifolia</i> "		
<u>Top of Grade</u>	4000	
<i>Pinus</i> <i>coulteri</i>	co	
<i>Quercus</i> <i>californica</i>	abn.	
" <i>acerifolia</i> ?, on S. slopes		
<i>Arctostaphylos</i> <i>gibbera</i> , abn.		
<i>Wyethia</i>	"	
<i>Chamissoa</i> <i>californica</i> : co		
<i>Pteros</i>		
<i>Syphocarpus</i> <i>roylei</i>		
Reed	- abn.	
<i>Lupinus</i>	big	
<i>Pentstemon</i>	vt	
<i>Thermopsis</i>		
<i>Platimus</i>		
<i>Horodowdrea</i>	big, woody in gulches moss, abn.	

Julian 4.2.19.

Sturnella cor
 Coturniculus "heat"
 Habia melanocephala several
 Carpodacus cor
 Coccothraustes richardsoni flocks
 Chondestes cor.
 Corvus 1
 Cyanocephala caerulea 2
 Dendrocitta thalassina 1
 Apis mellifera argentea 1
 Aphelocoma cor
 Molothrus aeneus " "
 Pipilo regolorum " "
 Vireo gundlachii " "
 Zosterops bairdi a few
 Sitta a. nelsoni 1

Quercus reported

River valleys to Lake Isidore
 Lophotrix californica cor
 Zenaidura " "
 Cathartes a few
 Colaptes cafer 2
 Zenaidura? a few.
 Tyrannus vociferans cor
 Phainopepla abu.
 Chondestes " "
 Poliocephala 1

Julian June 25.

Transition zone 4000-5000 ft.

Upper Sonoran Zone - 4000 ft. "

Lower Sonoran - 2000 ft. "

Rivers - 1000

Populus fremontii abu.
 Platynus "
 Alnus cor
 Salix nigra "
 Quercus agrifolia "
 Arctostaphylos "
 White sage "
 Hesperelia glabra abu
 Cistus laurifolius cor
 Rhus long leaf "
 Crotalaria californica (not tenuis)
 Erythroxylum "
 Crotalaria tenuis "
 Baccharis borealis "
~~Lake Isidore Valley~~
 Baccharis "pumila" "
 " " "densifolia" "

Lakeside June 26
 Orange big groves, good
 Olives good, abn.
 Washingtonia abn.
 Eucalyptis
 Pepper tree
 Oleander tree
 Agave big
 Umbrella trees cor

 Populus fremontii abn.
 Salix " "
 Platynus "
 Baccharis 'pilifolia' " "
 " "
 Opuntia engelmanni "
 Sambucus "
 Eriogonum parvifolium
 Prosopis / big tree
 White sage - on hot slope
up to year old 1st year
 Atriplex "
 Geococcyx " "
 Hesperomeles "
 Prunus iliopha "
Quercus coccinea? "
Acacia dumosa "
Metastrophyllos biocellata "
Onosma divaricata abn.

Lakeside, June 26.
 Zonotrichia abn.
 Lathrotriccus abn.
 Lanius 2
 Sturnella cor
 Cathartes aura abn.
 Tyrannus verticalis cor
 Zetesis bulllocki 2
 Hirundo lucifera cor
 Carpodacus "
 Colaptes cafer 2
 Chondestes cor
 Euphagus " "
 Ololygon "
~~Psophodes~~ "
 Geococcyx 2

up to year old 1st year
Quercus coccinea? abn.

Up Grads

Ribes

Rhus diversiloba spring flwr

" arborescens com.

" arborescens low

" " mullen sage" com.

Artemisia californica "

Yucca whipplei "

Blue sage in patches

top of ridge 1600

Coway Valley 1000
open shrubs, low down

Eucalyptus drooping

Grovilla 2 big trees

Pepper trees

Agave 'marginalis' big

Bernardo Valley

Open, shrubs, desert down

Eucalyptus

Poplar

Orange on ground

Escondido

Twin Oaks

June 27

To Oceanside

July 2 To San Diego

In town

Eucalyptus obs.

Auricaria "

Ficus elastica big, com.

Camphor trees "

Grohille "

Fan palms "

Date palms "

Pepper trees obs.

Umbrella trees "

Acacia trees com.

Cypress "

Phines "

Agaves big "

Bougavilla "

Pomegranates, in flower & fruit com.

Magnolia grandiflora 1

Fig a few

Del Mar

Pinus torreyana com.

Quercus rigidum com.

July 4

<u>Santa Anna</u>	Day light
Orange groves	extensive
Walnut	"
Apricots	"

Los Angeles

Burbank

<i>Oenothera engelmanni</i> ssp.	4
<i>Osteospermum</i> (arborescens yellow)	4
<i>Artemisia californica</i>	4
white sage	4
<i>Eriogonum sp.</i>	4
colorful grasses	4
" Calif. (like <i>treleasei</i>)	4
<i>Baccharis halimifolia</i>	4
" " " "	4

Beechamia breviflora

21 "fibifolia"

Sambucus

Cusurbita

Spica whipplei ♂ juv

big grass fields

Clatworthy

James

<i>Bueras agnopholia</i>	abn
<i>Phrynosoma</i> ¹⁴⁴ big	✓
<i>Hittermanis</i>	✓
<i>Adelostoma</i>	✓
Blue + white sage	✓
<i>Artemisia calif.</i> -	✓

Barbault

Orange

Oliver

Walnut

Grapes

Pedobes

Apricots

Eleodes tenuis

Worthing
Pebbles

Barney
Grainger

of names -
Chatworth

Turned

~~Quercus lobata~~, abn, first.

Open valley from Santa Susana
to Oxnard - Lower Sonoran.
Grains
Beans
Sugar beets

Ventosa

near Santa Barbara

Oil + asphalt.

Eucalyptus big, abn.
Peppe trees abn.
Olives a few groves
Date + fan palms abn.
Yucca whipplei co.
Orange trees, a few in yards
Nie otang genoa co.
Walnuts good fields.
Loquats co.
Avocados?
Elanthus
Platynus
Quercus agrifolia
Santa Barbara
Peppertrees
Tigs
Loquats
Palms - many kinds
Avocados
Banana trees
Ficus elastica? big tree

San Louis Obispo

Pass Robles.

San Francisco 21 A.M.

July 5 up mt. Tamalpais

Redwoods

In gutch

Quercus agrifolia

Platynus

Alnus

Populus

Silice

Adenostrophiolum

Umbellularia

Hippocratea

Rhus

Ceanothus cordatus

" *thyrsiflorus*

" *foliolosus*

" *cuneatus*

" *jeffsonii*

Arctostaphylos tomentosa

Canescens

Eriogonum glutinosum

Dendromecon rigida

Castanopsis

Adenostoma fasciculatum

Azalea occidentalis

Cupressus goveniana

Quercus dumosa

" *aculeata*

" *dunosa*

" *densiflora*

" *bellata*

Corylus cornuta

Xylosteum monteux

Mt. Tamalpais

Chrysolepis chrysophylla
Arbutus menziesii
Arbutus menziesii
Vaccinium ovatum
Rhamnus californicus
Garrya fremontii
" *eliptica*
Prunus emarginata
Zonaria
Rhus integrifolia
Pearcea arborea
Pseudotsuga taxifolia
Tsuga

July 7 San Francisco

Oakland 5:38 P.M.

Eucalyptus

Washingtonia

Phenax?

Pepper tree

Lig

Tree species

Fruitvale

Apricots

Peaches

Pears

San Leandro

English walnuts

Apricots

Peaches

Pears

Potatoes

beans

Oats

San Lorenzo

Rhubarb

Alfalfa

Hayward

Warm Springs

Olives big trees

San Jose - dark

July 8 To Los Angeles

July 9 Los Angeles

Anchises

<i>Opuntia occidentalis</i>	obs
<i>Croton californicus</i>	"
<i>Eremocarpus setigerus</i>	"
<i>Baccharis sericea</i> along stream <u>Orange</u>	obs
<i>Opuntia occidentalis</i>	"
<i>Croton californicus</i>	
<i>Eremocarpus setigerus</i>	
<i>Baccharis sericea</i> along stream Oranges etc.	obs
Liquats	com.
Figs	
Camphor tree	big
Palms many kinds	obs
Walnuts	"
Pepper trees	"
Eucalyptis	"
Magnolia glauca in flower	1
Yucca tree	com

El Toro.
Cepistrans

Cepistrans

<i>Platimus occidentalis</i>	com
<i>Salix</i>	obs
"	"
<i>Sambucus glabra</i>	"
<i>Quercus agrifolia</i>	2
<i>Nicotiana glauca</i>	com
<i>Baccharis</i> ^{minima} minima	"
"	low - "
<i>Rosa</i>	big, in blossom
<i>Opuntia occidentalis</i> big	com
<i>Cylindropuntia bernardina?</i> open	
<i>Eremocarpus setigerus</i>	
<i>Artemisia californica</i>	
<i>Opuntia bernardina?</i>	com
" <i>occidentalis?</i>	"
"	very spiny "
"	spinyless -

At Shore

<i>Rhus integrifolia</i>	com
<i>Eriogonum fasciculatum</i>	obs
<i>Atriplex</i>	com
<i>Statice isomeria arborea</i>	"
<i>Lycium</i>	a few
<i>Eruca</i>	obs
<i>Opuntia tectoralis?</i> big	"
" <i>polymera</i>	"

Copistano

Oranges com. good,
Lemons " "
Pomegranates in flower-front, com
Olives " "
Loquats 1 tree
Bananas, small, kill doan.
Figs com
Fan palm
Date like palms
Pepper trees
Eucalyptis
Walnut, English -
Acacias a few.

Copistano, July 9,

Ambo elegans com
Falco sparverius 2 com
Barn Owl old + yg. com
Speotyto com
Satharis aura com
Zenaidura "
Zophartyx vallicola "
Oryzobates com
Colaptes collaris 8 abn.
Trochilus alpinus com
Ariocarpus megalophyllum 4 com.
Tyrannus vociferans com
Sayornis nigricans "
Vireo cassiniae 2 com
Agelaius phoeniceus com

Euphagus cyanocephalus com
Helospiza m. frontalis 149 com.
Calpodacus ~~californicus~~ ^{frontalis} 149 com.
Pipilo f. sinuata "
Astragalinus lawrencii "
Mimus hesperophilus, green com
Seturus setiferus "
Ptilocichlidae nest abn.
Sturnella "
Cirro alcyone 1
Tamias 4
Trochocercus a pair com.
Tachycineta 1
Corvus brachyrhynchos 7
Chondroctes a family, 5 yg. + old.

Cipistraro July 10 & 11.

<i>Aquila chrysaetos</i>	7
<i>Charadrius texensis</i>	3
<i>Otocoris</i>	5
<i>Zenaidura verticalis</i> 1 dd, 1 egg.	
<i>Dendroica aestiva</i>	com
<i>Cyanospiza cyanata</i>	
<i>Querula c. lajuli</i> , 1 dd, 1 egg.	
<i>Geococcyx</i>	that's com
<i>Ardea herodias</i>	a few
<i>Myiarchus</i>	"
<i>Clivicola?</i>	1
<i>Sayornis saya</i>	1
<i>Icterus vires</i>	a few
<i>Buteo swansonii</i>	1 block

1 July 14

a few

1 block

<u>July 15 up Trabuco Canyon</u>	
<i>Platynus sacowensis</i>	abn x
<i>Salix</i>	2 sp. " x
<i>Quercus agrifolia?</i>	a few x
<i>Alnus rhombifolia</i>	" x
<i>Sambucus glauca</i>	" x
<i>Ostrya californica</i> com	" x
<i>Baccharis</i> virginica com	" x
" <i>pillularis</i> ? " to	
" <i>School House</i> leafless (116) " 1200 feet	
<i>Rhus laurina</i>	x
<i>Ranuncula polystachya</i>	x
" <i>Stachys</i> sp.	x
<i>Eriogonum</i> ^{tomentosum} scabrum	1200-1400
<i>Budlea pulverulenta</i>	" - x
<i>Yucca whipplei</i>	1300- x
<i>Rhamnus crocea</i>	" x
<i>Populus trichocarpa</i> a few at 900 ft	x
<i>Rhamnus californicus</i> 1300- x	
" <i>torrentosa</i> " - x	
<i>Ceanothus diversifolius</i> 1200- x	
" <i>intermedium</i> " - x	
<i>Hitchinsia</i> 1800- x	
<i>Rhus ovata</i> 1400 x	
" <i>trilobata</i> 1300- v	
" <i>divaricata</i> v	
<i>Eriogonum fasciculatum</i> 1200- v	
<i>Roumania coulteri</i> 800- x	
<i>Hedysaria glauca</i> 1200- v	
<i>Louisea subspicata</i> 1300- x	
<i>Adonis amurensis</i> 1300- x	
<i>Thimbellularia</i> 1 of 1500 reported	

up Trabuco Canyon July 15

<i>Contopus richardsoni</i>	com
<i>Progne subis</i>	8
<i>Aphelocoma</i>	com
<i>Strewnia</i>	com
<i>Phainopepla</i>	12
<i>Corvus sinuatus</i>	3
<i>Pipilo megalornis</i>	1

In Canyon 1300 - 2300 feet

Vitis

Prunus ilicifolia

Ribes

"

Populus fremonti 1 of 2000 -

Quercus dumosa 2300 -

Pseudotsuga macrocarpa " -

Acer grandidentata " -

Fraxinus bipinnata " -

Corylus parvifolia " ^{sc.} -

Rubus blackberry, 2000 -

"

Pteris " -

Adiantum " -

Woodwardia " -

Christianseniana " -

Psoralea borealis " -

Lilium " -

Pinus coulteri 3 groves

Juniperus said to be a little

Umbellularia " in places "

Quercus wislizenii? "white oak"

Reported by first ranger Robbins.

July 19 up Santiago Canyon

Platirhynchus racemosus

Anemone ageratina

Salix

"

"

Sambucus glauca

Rhus laurina

"

"

ovata

diversiloba

Racemosa virinea

Populus trichocarpa

Rubus strigosoides

" ^{mixed} *polystachya*

Erythronium revolutum

Umbellularia

tree

Opuntia

yellow spines, big

spines -

spiny, little

bracts?

Asteriscia californica

Larch 1000 feet

Hottonies

Adenostoma fasciculatum

Rhamnus crocea

Romneya coulteri

Ribes

Baccharis

Chrysanthemum pithosaeum

spring

leaves

Rhamnus tomentosa
Croton californicus
Eriogonum subspicatum
Rosa
Viennella glutinosa
Grindelia
Medicago elegans
Helianthus
Mustard
Zedote thistle

Santa Ana & vae.
Palms, Phoenix, many trunks large
Washingtonia " large
Yucca palms
Cryptomeria " con.,
whorl branches
spiny leaves
Camphor trees abn
camphor like trees, cup flowers " abn. big
Eucalyptus " abn. big
Pepper trees " "
Magnolia glauca con. big.
Acacia trees "
Orange great groves
Lemon "
Loquat con.
Fig, apricot, peach, pear, " "
Walnuts abn.
Poinsettia in towns
Papyrus "
Castor bean abn.
Pears, beans, chilies, tomatoes
peanuts, sweet potatoes. con.
Pomegranates full of fruit
Olives east on hills

July 21, Santa Ana
To Newport Beach & back
Beach

Abronia

Mesembrianthus satival

Atriplex

Suaeda

Salicornia?

back on mesa

Opuntia occidentalis, on banks

Onocarpus setigerus

Com

"

"

"

Grindelia

Mustard

Wild oats

grass

Eriogonum parvifolium

a little on high banks

0

Howard K. O'Brien, supervisor

Wallowa, Oregon

Coville in care of O'Brien

W. F. Adams

Shattuck, Oklahoma

Joseph Greenwell, 576, N. Mesilla

Seven Oaks now in U.S.

Mr. Andrew Hopper

Lordsburg, N. M.

Mrs. E. L. Fuller, Lordsburg

C. L. Shaw, Casa Grande, Ariz.

Dr. Willwood Murray, Palm Springs

Mr. C. Wood, Witch Creek

Joseph Hedges, First Natl. Bank,
Eureka, Calif.

H. T. Blake, Oceanside

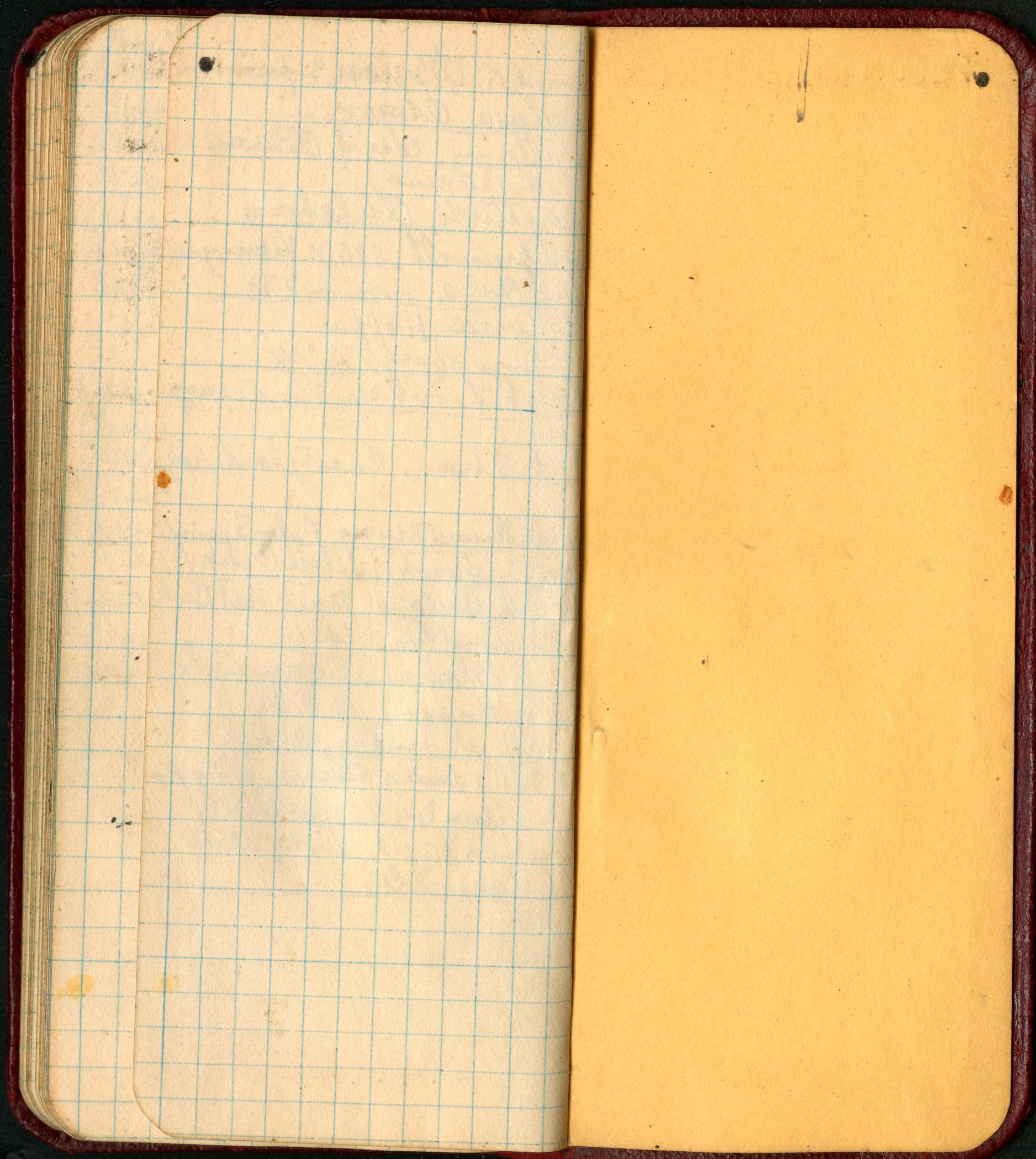
S. C. Mason, B. P. I.

Met at Indio, Calif.

Walter Lewis Burn, photographer

Los Angeles, 3215 Hill St.

Griffin Hayes, Livry Stable
Oceanside,



2500^{1/4}

Woods Gold

Ode Gravel

Jack McCorry, Bedfords

Witch Cr.

Footsteps by R. A.

Step to Witch Creek

Mr. Marsteller

J. Brown

The Past, H. Brown

3811 Hours

3111 Laboratory

Dr. W. S. Drayton

Wild flowers of Calif.
Buck & Davis Parsons

Calif. Wild flowers
By Mrs. Davelson

H. Brown for wolf skin

E. L. Vail, Tucson
for wolf skull

389, check to Green 750

P. S. Sparkman killed
Am. Gosh has charge
^{also Miss Gandy}
San Juan Indians baskets

F. W. Koch
2043 Barron St.

W.W.M. 3736 5 lbs
Am. Nat. Mus.

Prof. Spalding, Tucson
for Calif. fauna when out

Botany of Los Angeles Region
Abraams.

Keystone 10th & E. Room 20

W. S. Rice, Stockton

530 North Commerce

